

TRAVELING ACROSS IOWA: ON TIME AND SAFER

July 2018



INTERSTATE 80 PLANNING AND
ENVIRONMENTAL LINKAGES (PEL) STUDY

Transportation impacts Iowans every day, connecting residents to jobs and products to consumers. It is a backbone of the state's economy. Its ability to provide safe, reliable, and convenient travel directly affects your costs of travel and quality of life. Providing efficient and safe travel on Iowa's busiest Interstate are essential goals of the I-80 Vision. The Vision will help you reach your destination on time and safely with the future increase in traffic.



Vision for
Infrastructure
Investment



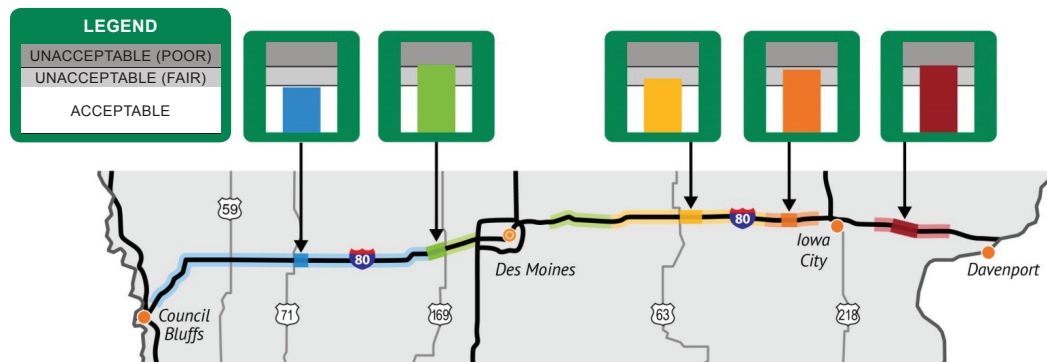
Existing
Conditions



Traffic Impacts of Iowa's Growing Economy

Traffic volumes along rural I-80 are expected to grow between 44 and 55 percent due to economic growth and changing travel patterns. Traffic operations across all of rural I-80 will be at or near unacceptable levels by 2040, causing you travel delays and reducing safety.

PREDICTED 2040 TRAFFIC SERVICE ACROSS IOWA WITHOUT I-80 IMPROVEMENTS



Rural I-80 Traffic in 2040



32,000 to 74,000
Vehicles per Day



28–39% Trucks



Average speeds will
decrease by **5%**



Average crashes per
mile will increase **9%**

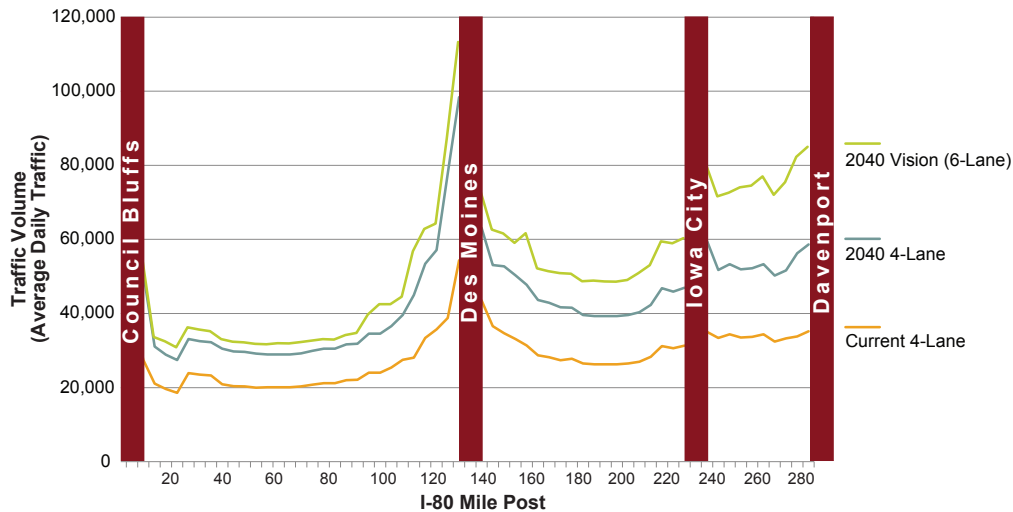


75% increase in fatal
and injury crashes



Changing Travel Patterns with the Vision

We typically choose our travel route based on convenience – the fastest and safest path. Because of the Vision's improvements, more travelers will choose I-80. Future traffic volumes will be higher with the Vision. Due to the Vision's modern design and added capacity, average speeds on Iowa's highway system will be 2.5 mph faster in 2040 – saving you time and money.



Managing the Unexpected

It is commonly estimated that most congestion is caused by incidents. Crashes, weather, and other non-recurring events can cause unexpected travel delays. We have implemented a system-wide approach, called Traffic System Management and Operations (TSMO), to optimize Iowa's available highway capacity and improve reliability. This system puts real-time information in the hands of the public before and during trips. Travel information is transmitted to motorists through the internet and roadside messages. These TSMO measures enhance the quality of travel across Iowa and are an important part of the Vision.

Improving Future Travel Reliability and Safety

We manage I-80 across Iowa to provide you high quality traffic service. The I-80 Vision builds upon the existing roadway asset and provides more roadway capacity to absorb traffic growth, reduce the risk of crashes, and manage traffic flow during incidents. Design provisions for vehicle technology advancements accentuate these benefits, providing a long-term system improvement to meet Iowa's travel needs well into the future.



Estimated Benefits of the I-80 Vision (2018 to 2050):

Improve **travel times** across Iowa



Prevent roughly **24,000 total** and **180 fatal crashes** statewide



Reduce approximately **475 million hours** of travel delay statewide

